

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): An apparatus used in a first mobile communication system with a plurality of wireless base stations, the first mobile communication system operated by a first provider, the apparatus comprising:

an acquiring unit configured to acquire identification information of the plurality of wireless base stations;

a location detecting unit configured to detect a present location of the apparatus on acquiring the identification information of the plurality of wireless base stations;

a storing unit configured to store first service location information with respect to the first provider in which the identification information acquired by the acquiring unit is associated with the present location of the apparatus detected by the location detecting unit; and

a location information providing unit configured to calculate locally a location of the plurality of wireless base stations using the detected present location of the apparatus stored in the storing unit, and to exchange ~~[[the]]~~ locally calculated first service location information and second service location with respect to a second provider through an ad hoc network with a second apparatus in a second mobile communication system that is operated by the second provider, wherein

the location information providing unit is configured to provide a user with information based on the first service location information and the second service location information.

Claim 2 (Currently Amended): The apparatus according to claim 1, wherein the location information providing unit ~~having~~ has map information, and is configured to add

information of the calculated location of the plurality of wireless base stations to the map information.

Claim 3 (Currently Amended): The apparatus according to claim 2, wherein the location information providing unit is configured to display the map information indicating the calculated location of the plurality of wireless base stations.

Claim 4 (Previously Presented): The apparatus according to claim 1, wherein the mobile communication system is a wireless local area network system being compliant with a standard of IEEE 802.11.

Claim 5 (Previously Presented): The apparatus according to claim 1, further comprising a communication unit configured to communicate with the plurality of wireless base stations, the communication unit being adapted to a standard of IEEE 802.11.

Claim 6 (Original): The apparatus according to claim 1, further comprising a cellular telephone unit configured to perform cellular communication with a cellular base station being a part of a cellular network.

Claim 7 (Currently Amended): The apparatus according to claim 1, wherein the acquiring unit is configured to acquire identification information of the plurality of wireless base stations which is included in a signal transmitted from the plurality of wireless base stations.

Claim 8 (Currently Amended): The apparatus according to claim 4, wherein the acquiring device is configured to acquire identification information of the plurality of wireless base stations which is included in a signal transmitted from the cellular base station.

Claims 9-12 (Canceled).

Claim 13 (Currently Amended): A method used by an apparatus in a first mobile communication system with a plurality of wireless base stations, the first mobile communication system operated by a first provider, comprising:

- acquiring identification information of the plurality of wireless base stations;
- detecting a present location of the apparatus on acquiring the identification information of the plurality of wireless base stations;
- storing first service location information with respect to the first provider in which the acquired identification information is associated with the detected present location;
- locally calculating a location of the plurality of wireless base stations using the detected present location to generate first service location information; and
- exchanging [[the]] locally calculated first service location information and second service location information with respect to a second provider through an ad hoc network with a second apparatus in a second communication system that is operated by the second provider, wherein

the step of providing the calculated location includes providing a user with information based on the locally calculated first service location information and the second service location information.

Claim 14 (Previously Presented): The method according to claim 13, further comprising:

adding information of the calculated location of the wireless base stations to map information.

Claim 15 (Previously Presented): The method according to claim 14, further comprising:

displaying the map information indicating the calculated location of the wireless base stations.